

FIG. 1

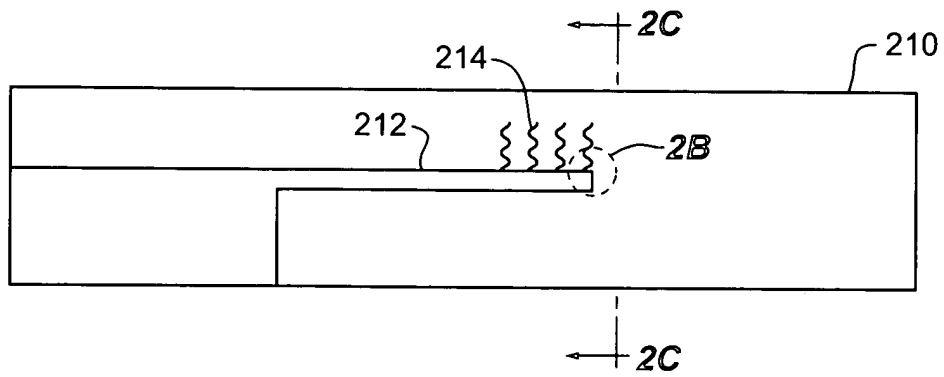


FIG. 2A

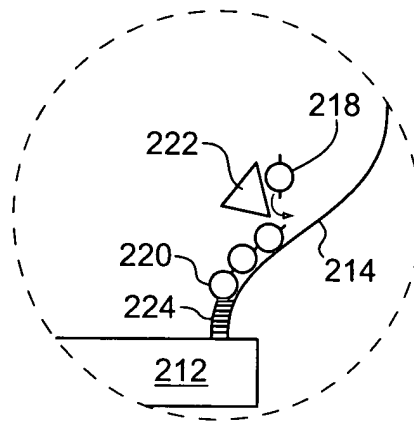


FIG. 2B

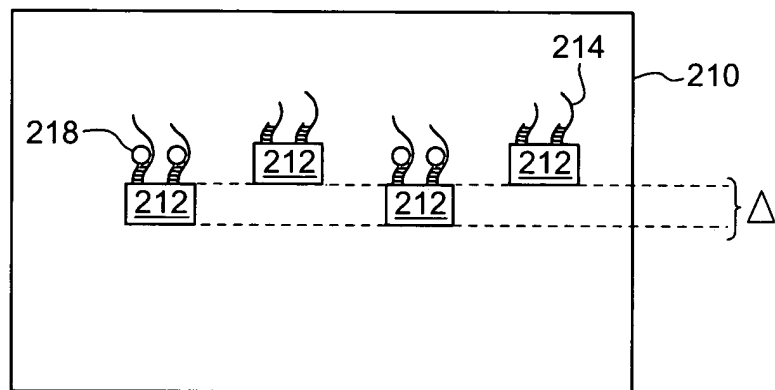


FIG. 2C

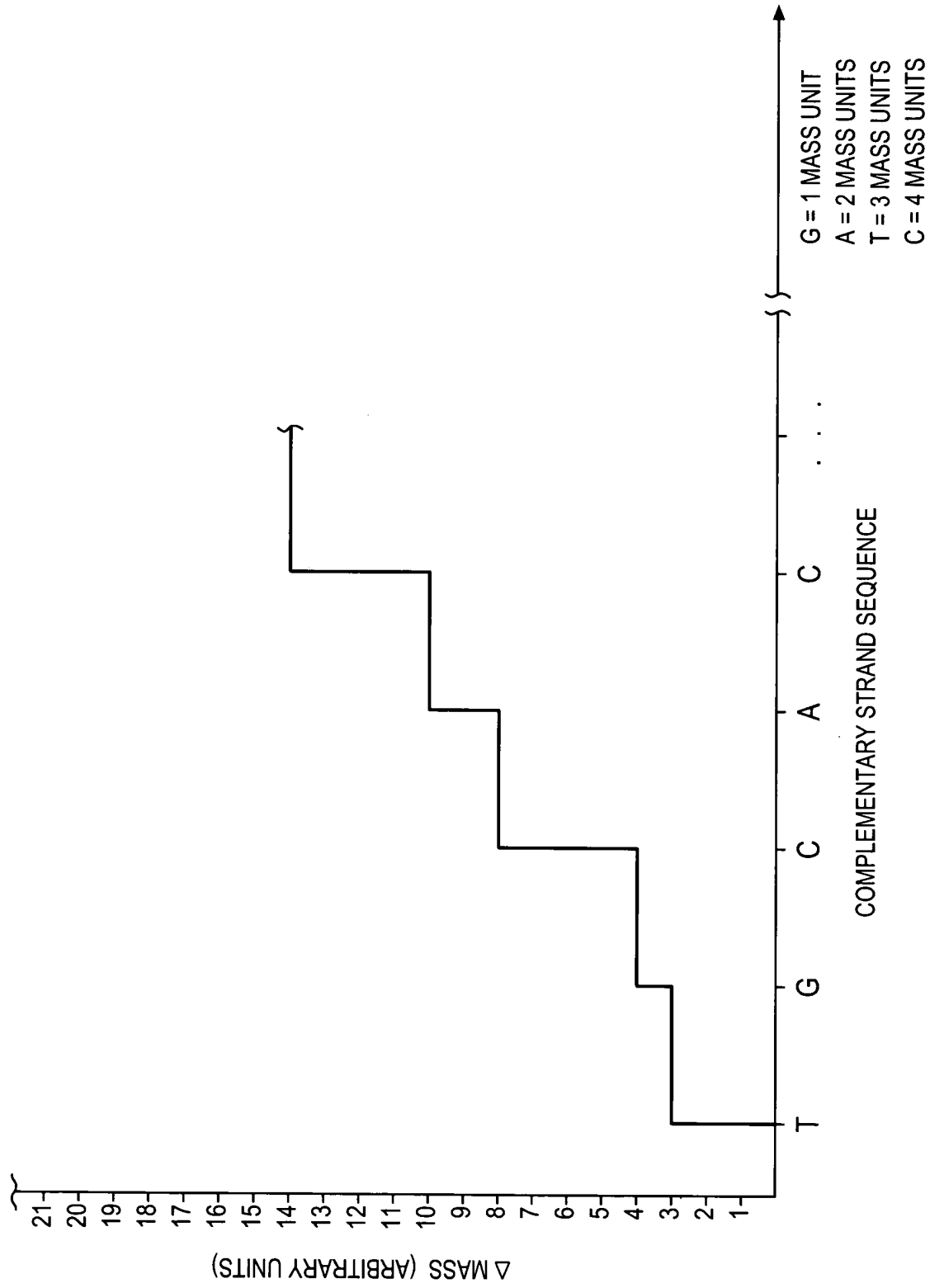
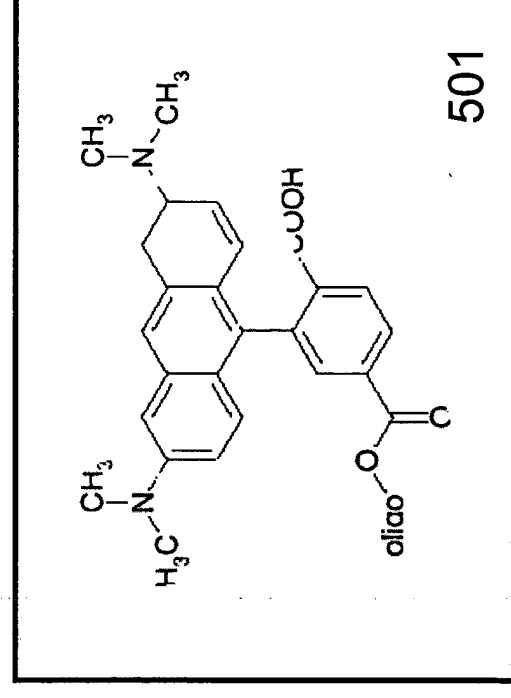


FIG. 4

FIG.5

- To confirm attachment of thiol-modified oligo (SH-1-f) [ThiSS]ACAACAACCATCGC CC-TAMRA) to a gold thin film and to determine the surface coverage



TAMRA

$\lambda_{\max,A}: 555 \text{ nm}$ $\lambda_{\max,E}: 580 \text{ nm}$

- Gold substrates prepared by sputtering using Metallica sputterer at SNF
 - Ti 50 Å, Au 1000 Å on Silicon

FIG. 6

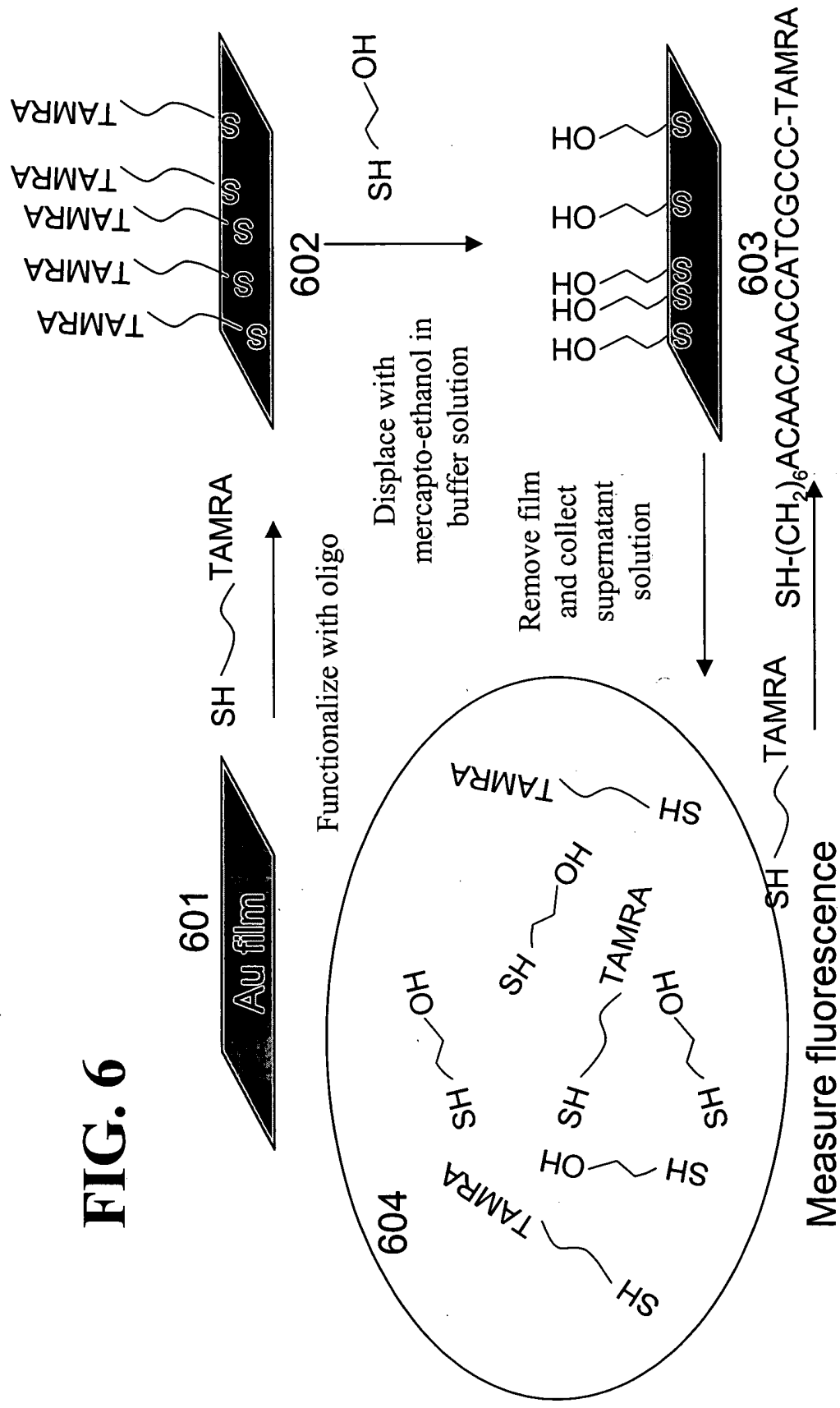


FIG. 7

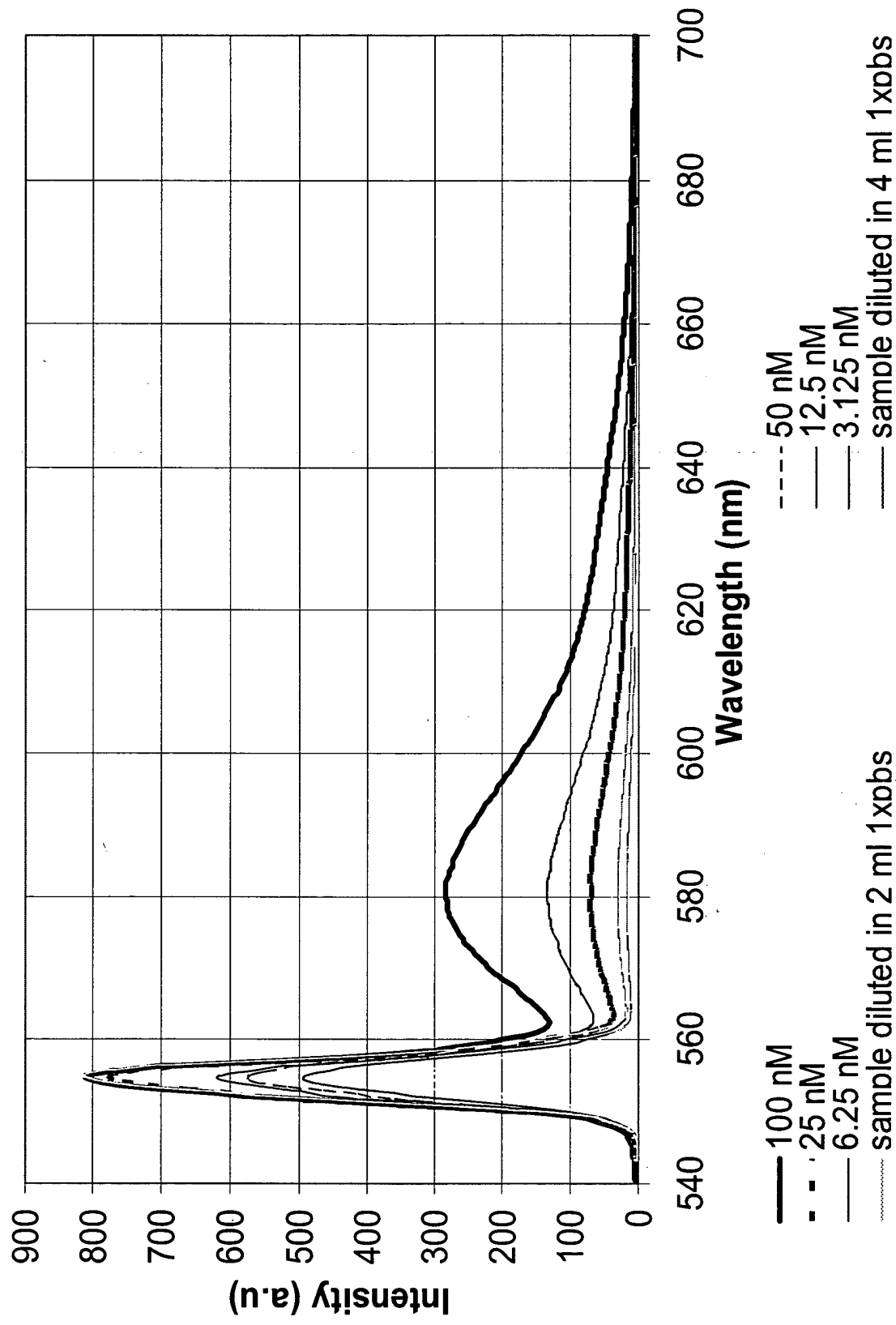


FIG. 8

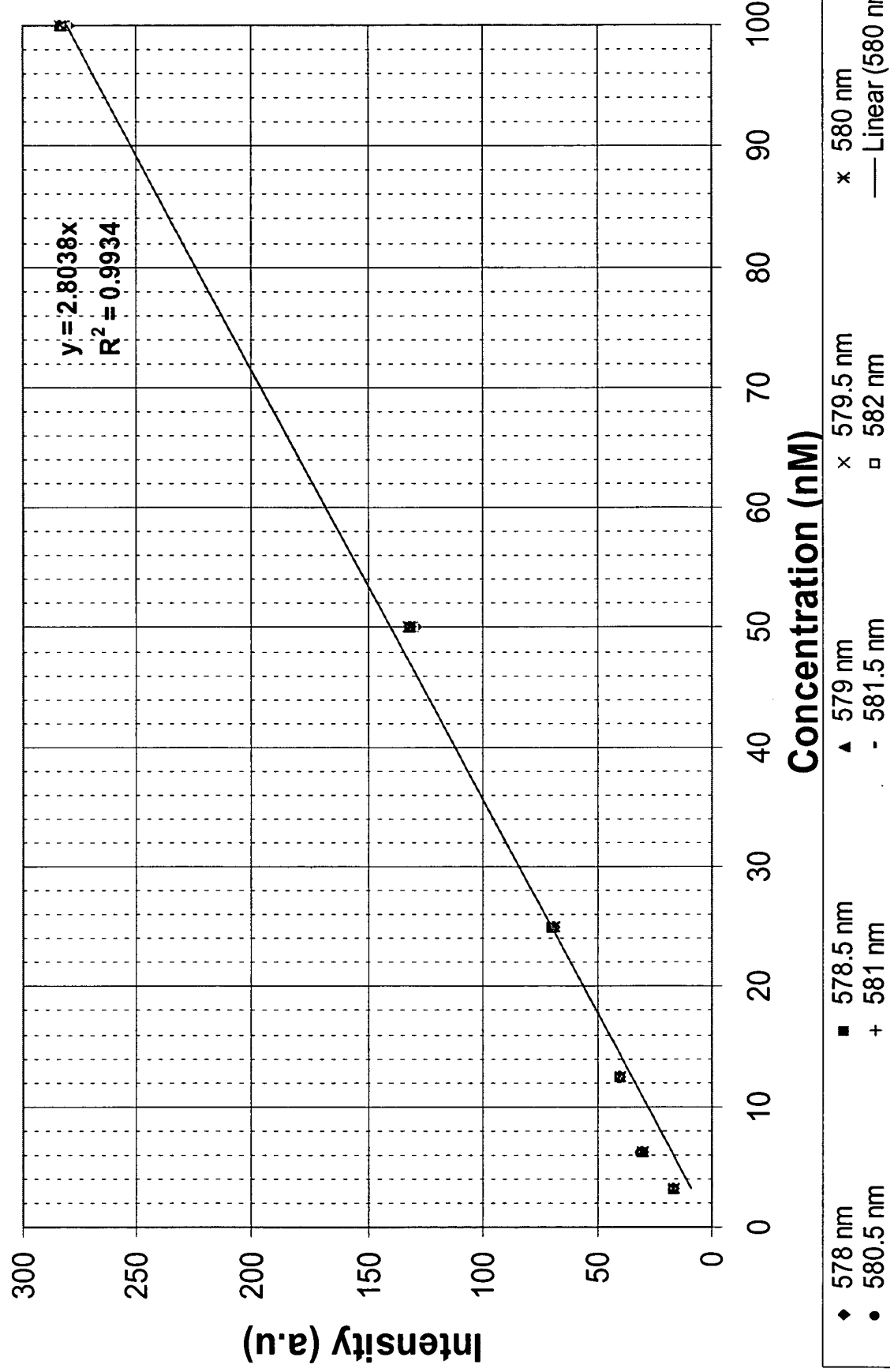


FIG. 9

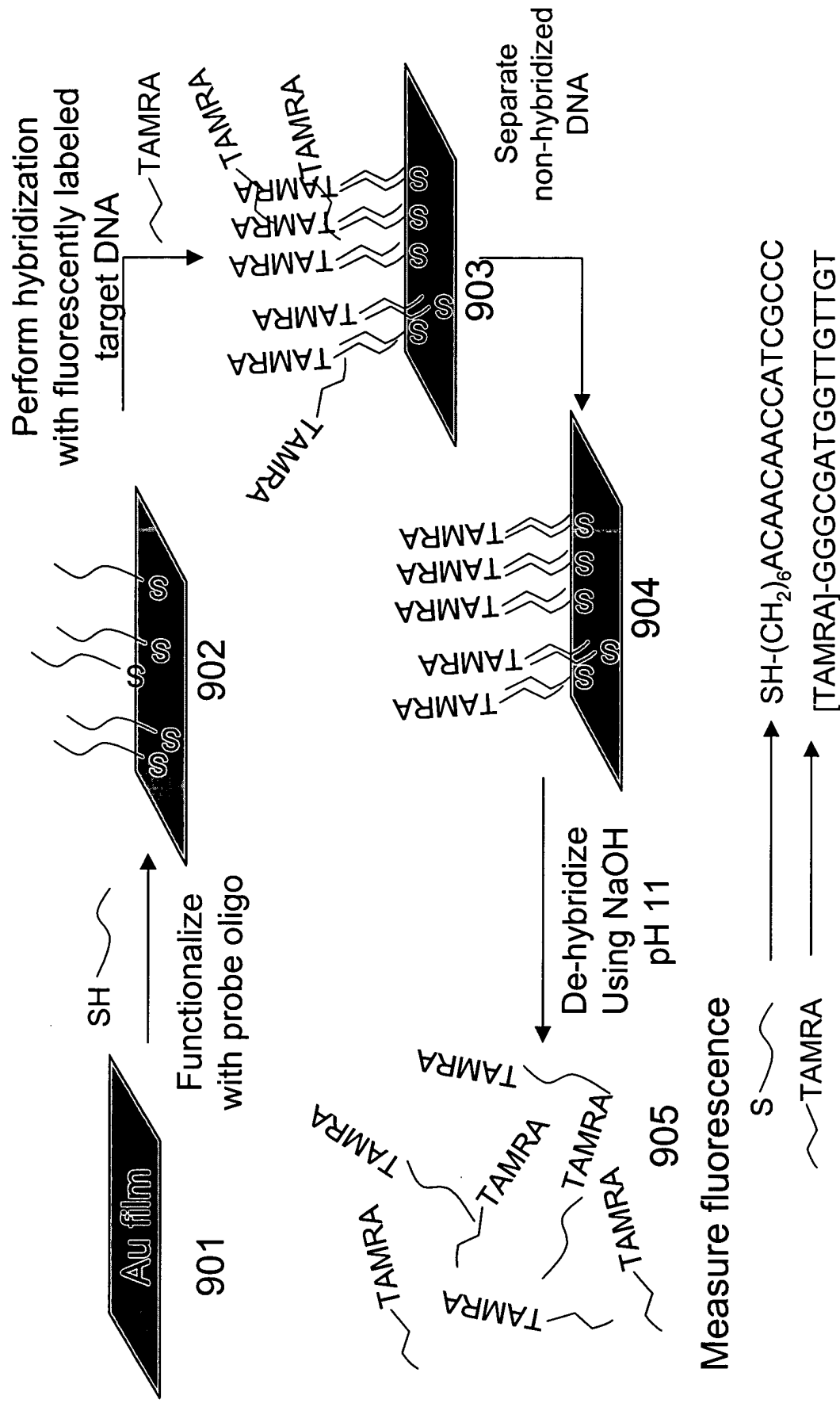


FIG.10

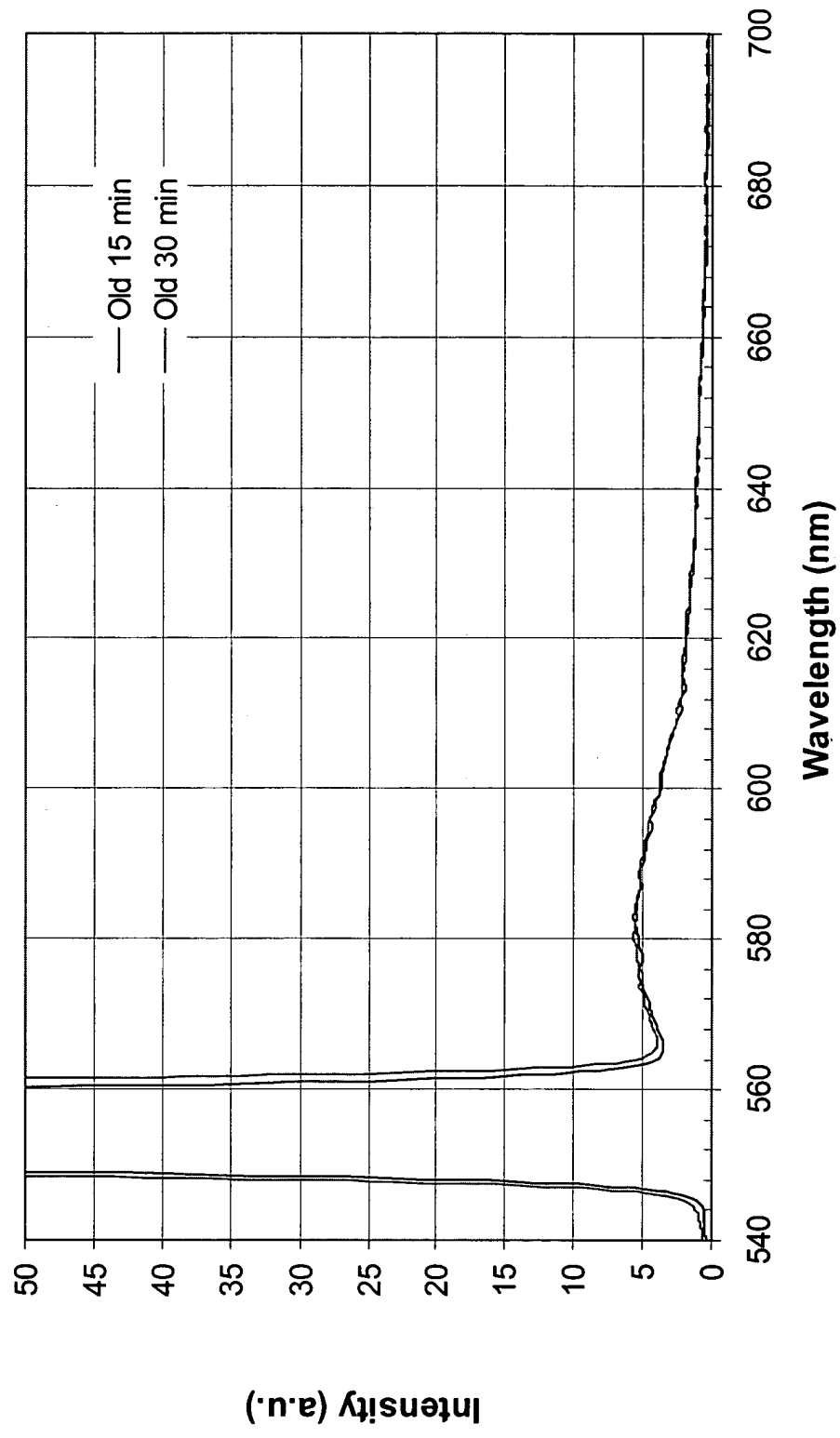


FIG. 11.

